

JOINT DECLARATION FOR PATENT APPLICATION

SEP 20 2004 As the below named inventor, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names;

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled KEYBOARD WITH IMPROVED FUNCTION AND EDITING SECTIONS, the specification of which

is attached hereto.

was filed on _____ as Application Number _____ and was amended on _____ (if applicable).

was filed under the Patent Cooperation Treaty (PCT) and accorded International Application No. _____, filed _____, and amended on _____ (if any).

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We hereby acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56(a).

Prior Foreign Application(s)

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Country	Application No.	Date of Filing (day month year)	Date of Issue (day month year)	Priority Claimed Under 35 U.S.C. §119

Prior United States Provisional Application(s)

We hereby claim priority benefits under Title 35, United States Code, §119(e)(1) of any U.S. provisional application listed below:

U.S. Provisional Application No.	Date of Filing (day month year)	Priority Claimed Under 35 U.S.C. §119(e)(1)

Prior United States Application(s)

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Date of Filing (Day, Month, Year)	Status — Patented, Pending, Abandoned

Power of Attorney

And we hereby appoint, both jointly and severally, as our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the following attorneys and agents, their registration numbers being listed after their names:

ALTHERR, Robert F.	31,810	HEMMENDINGER, Lisa M.	42,653	PATEL, Bimal J.	42,065
BANNER, Donald W.	17,037	HONG, Patricia E.	34,373	PATHAK, Ajay S.	38,266
BANNER, Mark T.	29,888	ROSCHETT, Dale H.	19,090	PETERSON, Thomas L.	30,969
BANNER, Pamela I.	33,644	HYMEL, Lin J.	45,414	POTENZA, Joseph M.	28,175
BECKER, Matthew P.	45,824	IWANICKI, John P.	34,628	PRATT, Thomas K.	37,210
BECKETT, William W.	18,262	JACKSON, Thomas H.	29,808	RENK, Christopher J.	33,761
BERGHAMMER, Joseph J.	46,057	KAGAN, Sarah A.	32,141	RESIS, Robert H.	32,168
BODNER, Jordan	42,338	KATZ, Robert S.	36,402	RIVARD, Paul M.	43,446
BUROW, Scott A.	42,373	KLEIN, William J.	43,719	ROBINSON, Douglas W.	32,751
CALLAHAN, James V.	20,095	LINEK, Ernest V.	29,822	SCHAD, Steven P.	32,550
CHANG, Steve S	42,402	MALONE, Dale A.	32,153	SHIPLEY, Charles W.	28,042
COHAN, Gregory J.	40,959	MAPLE, Marie-Claire B.	37,588	SHULL, Jason	47,085
COOPERMAN, Marc S.	34,143	McDERMOTT, Peter D.	29,411	SKERPON, Joseph M.	29,864
CURTIN, Joseph P.	34,571	MCREE, Christopher L.	32,384	VAN ES, J. Pieter	37,746
DAVID, Michael	44,642	McKIE, Edward F.	17,335	WITCOFF, Sheldon W.	17,399
DeMOOR, Laura J.	39,654	MEDLOCK, Nina L.	29,673	WOLFFE, Franklin D.	19,724
EVANS, Thomas L.	35,805	MEECB, Timothy C.	33,553	WOLFFE, Susan A.	33,568
FEDOROCHKO, Gary D.	35,509	MEEKER, Frederic M.	35,282	WRIGHT, Bradley C.	38,061
FERGUSON, Catherine A.	40,877	MILLER, Charles L.	43,805	SAKO, Kate E.	32,628
FICKLER, Debra A.	46,699	MITRIUS, Janice V.	43,808	CROUSE, Daniel D	32,022
FISHER, William J.	32,133	MOTTLEY, Darrell G.	42,912		
GLEMBOCKI, Christopher R.	38,800	NELSON, Jon O.	24,566		
HANLON, Brian E.	40,449	NIEGOWSKI, James A.	28,331		

All correspondence and telephone communications should be addressed to:

CUSTOMER NUMBER 22907

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature Hugh McLoone Date 4/30/01
 Full Name of First Inventor McLoone Family Name Hugh First Given Name Hugh Second Given Name E.
 Residence 17124 NE 5th Street, Bellevue, WA 98008 Citizenship U.S.
 Post Office Address 17124 NE 5th Street, Bellevue, WA 98008

Signature James Cauthorn Date 4/26/01
Full Name of Second Inventor Cauthorn First Given Name James Second Given Name H.
Family Name
Residence 1403 N. 47th Street, Seattle, WA 98103 Citizenship U. S.
Post Office Address 1403 N. 47th Street, Seattle, WA 98103

Signature Charles Hayes Date 4/30/01
Full Name of Third Inventor Hayes First Given Name Jonathan Second Given Name A.
Family Name
Residence 1518 1st Avenue South, Seattle, WA 98134 Citizenship U. S.
Post Office Address 1518 1st Avenue South, Seattle, WA 98134

Signature Z. V. Fry Date 4/30/01
Full Name of Fourth Inventor Fry First Given Name Kenneth Second Given Name V.
Family Name
Residence 2426 E. McGraw Street, Seattle, WA 98112 Citizenship U. S.
Post Office Address 2426 E. McGraw Street, Seattle, WA 98112

ASSIGNMENT

WHEREAS, we, Hugh E. McLoone, James H. Cauthorn, Jonathan A. Hayes, and Kenneth V. Fry (hereinafter referred to as ASSIGNORS), having post office addresses of 17124 NE 5th Street, Bellevue, WA 98008; 1403 N. 47th Street, Seattle, WA 98103; 1518 1st Avenue South, Seattle, WA 98134; and 2426 E. McGraw Street, Seattle, WA 98112, respectively, are the joint inventors of an invention entitled "KEYBOARD WITH IMPROVED FUNCTION AND EDITING SECTIONS," as described and claimed in the specification as filed in the U S. Patent and Trademark Office on even date herewith;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations, and continuation-in-part thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commission of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letter patent, or for the purpose of protecting title to said invention or letter patent therefor.

Date 4/30/01 Inventor: Hugh McLoone
Hugh E. McLoone

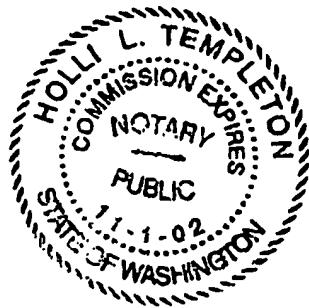
STATE OF Washington,
COUNTY OF King

On this 30th day of April, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared Hugh E. McLoone to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

(SEAL)

Hollie L. Templeton
Notary Public

My Commission Expires: 11-1-02

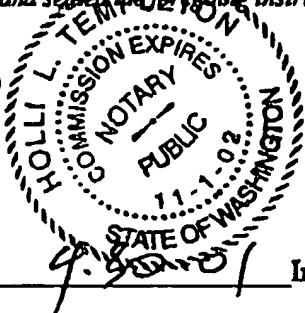


Date 4/26/01 Inventor: James H. Caud
James H. Cauthorn

STATE OF Washington
COUNTY OF King

On this 26th day of April, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared James H. Cauthorn to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

(SEAL)



Date 4/26/01 Inventor: Jonathan A. Hayes

My Commission Expires: 11-1-02

Holli L. Templeton
Notary Public

STATE OF Washington
COUNTY OF King

On this 30th day of April, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared Jonathan A. Hayes to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

My Commission Expires: 11-1-02

Holli L. Templeton
Notary Public

Date APRIL 30, 2001 Inventor: Kenneth V. Fry

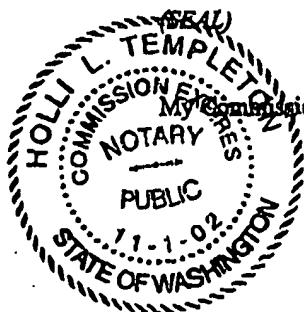
KV

STATE OF Washington
COUNTY OF King

On this 30th day of April, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared Kenneth V. Fry to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

My Commission Expires: 11-1-02

Holli L. Templeton
Notary Public





PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application Of)
Hugh E. McLoone et al.) Group: 2854
Serial No.: 09/843,799) Examiner: Minh H. Chau
Filed: April 30, 2001) Attorney Docket No. 003797.00046
For: KEYBOARD WITH IMPROVED)
FUNCTION AND EDITING)
SECTIONS)

RULE 131 DECLARATION OF INVENTORS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

We, Hugh E. McLoone, James H. Cauthorn, Jonathan A. Hayes, Kenneth V. Fry, and William H. Vong, hereby declare as follows:

1. We are the inventors of the invention in the above-identified application as set recited in pending claims 42, 46, and 50-65. We conceived of the invention prior to the filing date of U.S. Patent Application Publication No. 2002/0154097 A1 to Chen (i.e., prior to April 20, 2001).

I, Hugh E. McLoone, hereby declare as follows:

2. Prior to April 20, 2001, I received a draft patent application written by patent attorney Robert Katz of Banner & Witcoff, Ltd. Exhibit A is a true copy of that draft patent application.

3. Between April 20 and April 30, 2001 (when the present application was filed), I contacted inventors James H. Cauthorn, Jonathan A. Hayes, and Kenneth V. Fry¹ so that they could review the draft application of Exhibit A and execute a Joint Declaration and an Assignment.

I, James H. Cauthorn, hereby declare as follows:

4. Between April 20 and April 30, 2001, I reviewed the draft patent application.

5. On April 26, 2001, I executed the Joint Declaration and the Assignment (both attached as Exhibit B).

We, Hugh E. McLoone, Jonathan A. Hayes, and Kenneth V. Fry, hereby declare as follows:

6. Between April 20 and April 30, 2001, we each reviewed the draft patent application.

7. On April 30, 2001, we each executed the Joint Declaration and the Assignment (both attached as Exhibit B).

We, Hugh E. McLoone, James H. Cauthorn, Jonathan A. Hayes, Kenneth V. Fry, and William H. Vong, hereby declare as follows:

8. Exhibit A supports pending claims 42, 46, and 50-65, as follows:

Pending Claim	Example of Support in Exhibit A
42	claim 42 (p. 25)
46	claim 46 (p. 26)
50	Fig. 2 and p. 10
51	Fig. 2 and p. 12
52	Fig. 2 and p. 12
53	Fig. 2 and p. 13
54	Fig. 2 and p. 13
55	Fig. 2 and pp. 13-14

¹ William H. Vong was discovered to be an inventor after filing of the present application, and was therefore later added as an inventor.

56	Fig. 2 and p. 14
57	Fig. 2 and p. 14
58	Fig. 2 and p. 10
59	Fig. 2 and p. 12
60	Fig. 2 and p. 12
61	Fig. 2 and p. 13
62	Fig. 2 and p. 13
63	Fig. 2 and pp. 13-14
64	Fig. 2 and p. 14
65	Fig. 2 and p. 14

Each of us hereby declares under penalty of perjury under the laws of the Untied States of America that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the above patent application or any patent issuing thereon.

Date:

8/26/04



Hugh E. McLoone

Date:

James H. Cauthorn

Date:

Jonathan A. Hayes

Date:

Kenneth V. Fry



Application Serial No. 09/843,799

Atty. Dkt No. 003797.00046

56	Fig. 2 and p. 14
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Date: _____

Hugh E. McLoone

Date: 8/24/2004

James H. Cauthorn

Date: _____

Jonathan A. Hayes

Date: _____

Kenneth V. Fry

Date: _____

William H. Vong

Application Serial No. 09/843,799

Atty. Dkt No. 003797.00046

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Date: _____

Hugh E. McLoone

Date: _____

James H. Cauthorn

Date: 8-24-04

Jonathan A. Hayes

Date: _____

Kenneth V. Fry

Date: _____

William H. Vong

Application Serial No. 09/843,799

Atty. Dkt No. 003797.00046

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Date: _____

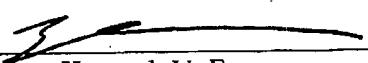
Hugh E. McLoone

Date: _____

James H. Cauthorn

Date: _____

Jonathan A. Hayes

Date: 9/17/2004

Kenneth V. Fry

Date: _____

William H. Vong

Application Serial No. 09/843,799

Atty. Dkt No. 003797.00046

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Date: _____

Hugh E. McLoone

Date: _____

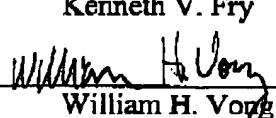
James H. Cauthorn

Date: _____

Jonathan A. Hayes

Date: _____

Kenneth V. Fry

Date: 8/23/04


William H. Vong